

Declaration for Patent Application
English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and joint inventor of the subject matter, which is claimed and for which a patent is sought on the invention entitled

RICIN VACCINE AND METHODS OF MAKING AND USING THEREOF

the specification of which

☐ is attached hereto,

☒ was filed on 27 February 2002 as Application No. 10/083,336
and the claims were amended on 23 June 2003, 23 January 2004, 29 June 2004, and 5 August 2004.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application listed below

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are

SGRDC/223197.1

USSN: 10/083,936
Oath/Declaration

punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Mark A. Olson	
Inventor's signature	Date
Residence	
Citizenship	
Post Office Address	
Full name of second joint inventor, if any Charles B. Millard	
Inventor's signature <i>Charles B. Millard</i>	Date 9 NOV 04
Residence 104 FREDERICK AVE, FREDERICK, MD 21701	
Citizenship USA	
Post Office Address	
Full name of third joint inventor, if any Michael P. Byrne	
Inventor's signature	Date
Residence	
Citizenship	
Post Office Address	
Full name of fourth joint inventor, if any Robert W. Wannemacher	

SGRDC/223397.1

USSN: 10/083,336
Oath/Declaration

Inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

SGRDC/223197.1

**Declaration for Patent Application
English Language Declaration**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and joint inventor of the subject matter, which is claimed and for which a patent is sought on the invention entitled

RICE VACCINE AND METHODS OF MAKING AND USING THEREOF

the specification of which

☐ is attached hereto,

☒ was filed on 27 February 2002 as Application No. 10/083,336 and the claims were amended on 23 June 2003, 23 January 2004, 29 June 2004, and 5 August 2004.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application listed below

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States

6GRDC/223397.1

USSN: 10/083,336

Oath/Declaration:

Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Mark A. Olson	
Inventor's signature	Date
Residence	
Citizenship	
Post Office Address	
Full name of second joint inventor, if any Charles B. Millard	
Inventor's signature	Date
Residence	
Citizenship	
Post Office Address	
Full name of third joint inventor, if any Michael P. Byrne	
Inventor's signature Michael P. Byrne	Date 09 Nov 04
Residence 11702 Morning Glory Place, New Market, MD 21774	
Citizenship United States of America	
Post Office Address 11702 Morning Glory Place, New Market, MD 21774	
Full name of fourth joint inventor, if any Robert W. Wannemacher	
Inventor's signature	Date

SGRDC/213397.1

USSN: 10/083,336
Oath/Declaration

Residence
Citizenship
Post Office Address

SGRDC/223397.1

**Declaration for Patent Application
English Language Declaration**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and joint inventor of the subject matter, which is claimed and for which a patent is sought on the invention entitled

RICIN VACCINE AND METHODS OF MAKING AND USING THEREOF

the specification of which

☐ is attached hereto,

☒ was filed on 27 February 2002 as Application No. 10/083,336
and the claims were amended on 23 June 2003, 23 January 2004, 29 June 2004, and 5 August 2004.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application listed below

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are

SGRDC/22/397.1

USSN: 10/083,336

Oath/Declaration

punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Mark A. Olson	
Inventor's signature <i>Mark A. Olson</i>	Date 9 Nov 2004
Residence 12 North Pointe Terrace, Middletown, MD 21769	
Citizenship USA	
Post Office Address 12 North Pointe Terrace, Middletown, MD 21769	
Full name of second joint inventor, if any Charles B. Millard	
Inventor's signature	Date
Residence	
Citizenship	
Post Office Address	
Full name of third joint inventor, if any Michael P. Byrne	
Inventor's signature	Date
Residence	
Citizenship	
Post Office Address	
Full name of fourth joint inventor, if any Robert W. Wannemacher	

SGRDC/223397.1

USSN: 10/083,336
Oath/Declaration

Inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

SGRDC/271397.1

**Declaration for Patent Application
English Language Declaration**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and joint inventor of the subject matter, which is claimed and for which a patent is sought on the invention entitled

RICIN VACCINE AND METHODS OF MAKING AND USING THEREOF

the specification of which

☐ is attached hereto,

☒ was filed on 27 February 2002 as Application No. 10/083,336
and the claims were amended on 23 June 2003, 23 January 2004, 29 June 2004, and 5 August 2004.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application listed below

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States

BGRDC/223397.1

USSN: 10/083,336

Oath/Declaration

Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Mark A. Olson	
Inventor's signature	Date
Residence	
Citizenship	
Post Office Address	
Full name of second joint inventor, if any Charles B. Millard	
Inventor's signature	Date
Residence	
Citizenship	
Post Office Address	
Full name of third joint inventor, if any Michael P. Byrne	
Inventor's signature	Date
Residence:	
Citizenship:	
Post Office Address	
Full name of fourth joint inventor, if any Robert W. Wannemacher	
Inventor's signature <i>Robert W. Wannemacher</i>	Date <i>Nov 10, 2004</i>

SGRDC/223397.1

USSN: 10/083,336
Oath/Declaration

Residence 5607 Calvert Dr., Frederick, MD 21703-7548
Citizenship USA
Post Office Address <i>Same</i>

SGRDC/223397.1

**RECEIVED
CENTRAL FAX CENTER****NOV 10 2004****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

OLSON, *et al.*

Serial No.: 10/083,336

Filed: 27 February 2002

For: RICIN VACCINE AND METHODS OF MAKING AND
USING THEREOF

Art Unit: 1652

Examiner: Rao, Manjunath

Atty. Dckt: 034047.016 (RIID 01-58)

WRITTEN CONSENT OF THE ASSIGNEECommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The United States Army, U.S. Army Medical Research and Materiel Command, the Assignee of the total interest of the above-referenced patent application, consents to the Request for Correction of Inventorship submitted herewith, which deletes Ross D. LeClaire as an inventor.

The undersigned has the authority to act on behalf of the Assignee in the above-referenced patent application.

Respectfully submitted,

Elizabeth Arwine

Elizabeth Arwine

Reg. No. 45,867

Patent Attorney & IP Counsel

Date: *10 November 2004*U.S. Army Medical Research & Materiel Command
504 Scott Street
Fort Detrick, MD 21702-5012

SQRDC/223407.1

PTO/SB/08 (08-04)
 Approved for use through 07/31/2008. OMB 0561-0031
 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: United States Army, U.S. Army Medical Research and Materiel Command	
Application No./Patent No.: 10/083,336	Filed/Issue Date: 27 February 2002
Entitled: RICIN VACCINE AND METHODS OF MAKING AND USING THEREOF	

The United States Army, U.S. Army Medical Research and Materiel Command (Assignee), a U.S. Government entity (Entity type)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
 2. ☐ an assignee of less than the entire right, title and interest. The extent (by percentage) of its ownership interest is %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 015100, Frame 0342, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Name:	Elizabeth Arwine, Reg. No. 45,867		
Signature:	<i>Elizabeth Arwine</i>	Date:	11/10/04
Title:	Patent Attorney & IP Counsel U.S. Army Medical Research & Materiel Command	Telephone:	301-619-7808

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. SGRDC/23408.1



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



-700111763A

SEPTEMBER 10, 2004

PTAS

U.S. ARMY MEDICAL RESEARCH AND
MATERIEL COMMAND
ELIZABETH ARWINE
504 SCOTT STREET, FORT DETRICK
FREDERICK, MD 21702

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/02/2004

REEL/FRAME: 015100/0342
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

OLSON, MARK A.

DOC DATE: 04/18/2002

ASSIGNOR:

MILLARD, CHARLES B.

DOC DATE: 04/18/2002

ASSIGNOR:

BYRNE, MICHAEL P.

DOC DATE: 04/26/2002

ASSIGNOR:

WANNEMACHER, ROBERT W.

DOC DATE: 04/19/2002

ASSIGNOR:

LECLAIRE, ROSS D.

DOC DATE: 04/18/2002

015100/0342 PAGE 2

ASSIGNEE:

UNITED STATES ARMY
U.S. ARMY MEDICAL RESEARCH AND
MATERIEL COMMAND
504 SCOTT STREET, FORT DETRICK
FREDERICK, MARYLAND 21702

SERIAL NUMBER: 10083336

FILING DATE: 02/27/2002

PATENT NUMBER:

ISSUE DATE:

TITLE: RICIN VACCINE AND METHODS OF MAKING AND USING THEREOF

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Packet No.: P67452US0 (RIID 01-58)

FORM PTO-1585 (Modified)
(Rev. 03-01)
OMB No. 0851-0027 (exp. 5/31/2002)
POB/REV03

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

PATENTS ONLY

Tab settings

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
**MARK A. OLSON; CHARLES B. MILLARD;
MICHAEL P. BYRNE; ROBERT W. WANNEMACHER;
ROSS D. LeCLAIRE**

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 04/18/2002; 04/18/2002;
04/26/2002; 04/19/2002; 04/18/2002

2. Name and address of receiving party(ies):

Name: UNITED STATES ARMY

Internal Address: U.S. ARMY MEDICAL RESEARCH
AND MATERIEL COMMAND

Street Address: 504 SCOTT STREETFORT DETRICKCity: FREDERICK State: MD ZIP: 21702Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

10/083,336

B. Patent No.(s)

02/27/2002Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: ELIZABETH ARWINE

Internal Address: U.S. ARMY MEDICAL RESEARCH
AND MATERIEL COMMAND

ATTN: MCMR-ZA-JStreet Address: 504 SCOTT STREETFORT DETRICKCity: FREDERICK State: MD ZIP: 21702

6. Total number of applications and patents involved:

17. Total fee (37 CFR 3.41):.....\$ 40.00☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

8. Deposit account number:

21-0380

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

ELIZABETH ARWINE, Reg. No. 45,867

Name of Person Signing

Elizabeth Arwine

Signature

8/31/04

Date

Total number of pages including cover sheet, attachments, and document:

6

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services

ASSIGNMENT OF INVENTION

Title of Invention: Ricin Vaccine and Methods of Making and Using Thereof

Inventors: Mark A. Olson; Charles B. Millard; Michael P. Byrne; Robert W. Wannemacher; Ross D. LeClaire

Date Oath Executed: February 20, 2002; February 26, 2002; February 21, 2002

Application Serial No.: U.S. 10/083,336 filed February 27, 2002; and
PCT/US02/

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent, all Letters Patent issuing thereon, and any continuation, continuation-in-part, or division of said application and any resissue of extension of said Letters Patent.
2. Assign to the Government all right, title, and interest in the invention in those foreign countries in which the Government determines to cause an application to be filed.
3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution of interference's, and recording of title of patent applications and patents issuing thereon.

Inventor's Signature: Mark A. Olson

Date: 18 Apr 02 Typed Name of Inventor: MARK A. OLSON

STATE OF Maryland
COUNTY OF Frederick

On the above date MARK A. OLSON known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

Joan M. Fry
NOTARY PUBLIC
My Commission expires on October 1, 2004

ASSIGNMENT OF INVENTION

Title of Invention: Ricin Vaccine and Methods of Making and Using Thereof

Inventors: Mark A. Olson; Charles B. Millard; Michael P. Byrne; Robert W. Wannemacher; Ross D. LeClaire

Date Oath Executed: February 20, 2002; February 26, 2002; February 21, 2002

Application Serial No.: U.S. 10/083,336 filed February 27, 2002; and
PCT/US02/

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent, all Letters Patent issuing thereon, and any continuation, continuation-in-part, or division of said application and any resissue of extension of said Letters Patent.
2. Assign to the Government all right, title, and interest in the invention in those foreign countries in which the Government determines to cause an application to be filed.
3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution of interference's, and recording of title of patent applications and patents issuing thereon.

Inventor's Signature: Charles B. Millard

Date: 18 APR 02 Typed Name of Inventor: CHARLES B. MILLARD

STATE OF Maryland
COUNTY OF Frederick

On the above date CHARLES B. MILLARD known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

Joan M. Fay
NOTARY PUBLIC

My Commission expires on October 1, 2004

ASSIGNMENT OF INVENTION

Title of Invention: Ricin Vaccine and Methods of Making and Using Thereof

Inventors: Mark A. Olson; Charles B. Millard; Michael P. Byrne; Robert W. Wannemacher; Ross D. LeClaire

Date Oath Executed: February 20, 2002; February 26, 2002; February 21, 2002

Application Serial No.: U.S. 10/083,336 filed February 27, 2002; and
PCT/US02/

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent, all Letters Patent issuing thereon, and any continuation, continuation-in-part, or division of said application and any resissue of extension of said Letters Patent.
2. Assign to the Government all right, title, and interest in the invention in those foreign countries in which the Government determines to cause an application to be filed.
3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution of interference's, and recording of title of patent applications and patents issuing thereon.

Inventor's Signature: Michael P. Byrne

Date: 26 Apr 02 Typed Name of Inventor: MICHAEL P. BYRNE

STATE OF Maryland
COUNTY OF Frederick

On the above date MICHAEL P. BYRNE known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

Joan M. Fay
NOTARY PUBLIC
My Commission expires on October 1, 2004

ASSIGNMENT OF INVENTION

Title of Invention: Ricin Vaccine and Methods of Making and Using Thereof

Inventors: Mark A. Olson; Charles B. Millard; Michael P. Byrne; Robert W. Wannemacher; Ross D. LeClaire

Date Oath Executed: February 20, 2002; February 26, 2002; February 21, 2002

Application Serial No.: U.S. 10/083,336 filed February 27, 2002; and
PCT/US02/

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent, all Letters Patent issuing thereon, and any continuation, continuation-in-part, or division of said application and any resissue of extension of said Letters Patent.
2. Assign to the Government all right, title, and interest in the invention in those foreign countries in which the Government determines to cause an application to be filed.
3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution of interference's, and recording of title of patent applications and patents issuing thereon.

Inventor's Signature: Robert W. Wannemacher

Date: 19 Apr 2002 Typed Name of Inventor: ROBERT W. WANNEMACHER

STATE OF Maryland

COUNTY OF Frederick

On the above date ROBERT W. WANNEMACHER known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

Joan M. Fry
NOTARY PUBLIC

My Commission expires on October 1, 2004

ASSIGNMENT OF INVENTION

Title of Invention: Ricin Vaccine and Methods of Making and Using Thereof

Inventors: Mark A. Olson; Charles B. Millard; Michael P. Byrne; Robert W. Wannemacher; Ross D. LeClaire

Date Oath Executed: February 20, 2002; February 26, 2002; February 21, 2002

Application Serial No.: U.S. 10/083,336 filed February 27, 2002; and
PCT/US02/

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent, all Letters Patent issuing thereon, and any continuation, continuation-in-part, or division of said application and any resissue of extension of said Letters Patent.
2. Assign to the Government all right, title, and interest in the invention in those foreign countries in which the Government determines to cause an application to be filed.
3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution of interference's, and recording of title of patent applications and patents issuing thereon.

Inventor's Signature: Ross D. LeClaire

Date: 18 April 2002 Typed Name of Inventor: ROSS D. LECLAIRE

STATE OF Maryland

COUNTY OF Frederick

On the above date ROSS D. LECLAIRE known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

Jean M. Fay
NOTARY PUBLIC

My Commission expires on October 1, 2004

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.